

23. (Amended) Process according to claim 22, wherein the water vapor is fed at a temperature of from 120 to 600°C.

24. (Amended) Process according to claim 22, wherein the aminonitrile is fed at a temperature of from 20 to 300°C.

25. (Amended) Process according to claim 22, wherein the aminonitrile is fed as a film on a heated surface, in a falling-film evaporator.

26. (Amended) Process according to claim 22, wherein the aminonitrile is atomized in the fed water vapor.

27. (Amended) Process according to claim 22, wherein the resulting mixture of aminonitrile in the water vapor that is obtained is brought rapidly in a heat exchanger to a temperature at which the vaporization of the mixture is complete.

28. (Amended) Process according to claim 22, wherein the resulting mixture of aminonitrile in the water vapor that is obtained is brought to the temperature of reaction between the aminonitrile and water.

29. (Amended) Process according to claim 22, wherein the aminonitrile is a linear or branched aliphatic aminonitrile having 3 to 12 carbon atoms.

30. (Amended) Process according to claim 22, wherein the aminonitrile originates from a hydrogenation to a primary amine function of one of the two nitrile functions of a dinitrile selected from adiponitrile, methylglutaronitrile, ethylsuccinonitrile, dimethylsuccinonitrile, malononitrile, succinonitrile, glutaronitrile and dodecanedinitrile.

31. (Amended) Process according to claim 22, wherein the vaporization of the aminonitrile is conducted under an absolute pressure of from 1 to 3 bar.

32. (Amended) Process according to claim 22, wherein the vaporization step is performed with a system without retention of liquid.

33. (Amended) Process according to claim 22, wherein the vaporization of the aminonitrile is performed with a dwell time of liquid aminonitrile in the vaporization step being less than or equal to one minute.